



Patent
Docket No. 492322017600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Tetsuro ASANO et al.

Serial No.: 10/772,585

Filing Date: February 6, 2004

For: SEMICONDUCTOR DEVICE

Examiner: L. M. Schillinger

Group Art Unit: 2813

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

This Supplemental Information Disclosure Statement is submitted with the filing of a Request for Continued Examination; accordingly, no fee or separate requirements are required.

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist;

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(iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 492322017600.

Dated: March 23, 2007

Respectfully submitted,

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ALTERNATIVE TO PTO/SB/08A/B (09/06)

Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/772,585
				Filing Date	February 6, 2004
				First Named Inventor	Tetsuro ASANO
				Art Unit	2813
				Examiner Name	L. M. Schillinger
Sheet	1	of	2	Attorney Docket Number	492322017600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US-4,339,285	07/1982	Pankove	
	2.	US-4,387,386	06/1983	Garver	
	3.	US-4,626,802	12/1986	Gailus	
	4.	US-4,745,445	05/1988	Mun et al.	
	5.	US-4,803,527	02/1989	Hatta et al.	
	6.	US-4,843,440	06/1989	Huang	
	7.	US-4,965,863	10/1990	Cray	
	8.	US-5,047,355	09/1991	Huber et al.	
	9.	US-5,371,405	12/1994	Kagawa	
	10.	US-5,374,899	12/1994	Griffiths et al.	
	11.	US-5,559,363	09/1996	Immorlica, Jr.	
	12.	US-5,654,860	08-05-1997	Casper et al.	
	13.	US-5,821,827	10/1998	Mohwinkel et al.	
	14.	US-5,841,184	11/1998	Li	
	15.	US-5,932,917	08-03-1999	Miura et al.	
	16.	US-5,986,863	11-16-1999	Oh	
	17.	US-6,002,860	12/1999	Voinigescu et al.	
	18.	US-6,265,756	07/2001	Brocket et al.	
	19.	US-2002/0024375	02/2002	Asano et al.	
	20.	US-2002/0047177	04/2002	Asano et al.	
	21.	US-6,580,107	06/2003	Higashino et al.	
	22.	US-2004/0223274	11/2004	Asano et al.	
	23.	US-6,946,891	11-11-2004	Asano et al.	

Examiner Signature		Date Considered
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Sheet	2	of	2	Attorney Docket Number	492322017600

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
24.	DE-3334167		04-04-1985	Siemens AG	Corresponds to Cite 8	
25.	EP-0 140 095		05-08-1985	Siemens AG	Corresponds to Cite 8	
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27.	JP-62-174975		07-31-1987	NEC Corp.	Translation of Abstract	
28.	EP-0 700 161		03-06-1996	Hitachi, Ltd.		
29.	KR-1998-043416		09-05-1998		Translation of Abstract	
30.	KR-1998-065222		10-15-1998		Corresponds to Cite 16	
31.	JP-11-220093		08-10-1999	Sanyo Electric Co., Ltd.	Translation of Abstract	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
	32.	Sze, S.M. (1981). <i>Physics of Semiconductor Devices</i> . New York, NY: John Wiley & Sons. pp. 117-122.				

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